

REMARKS

Claims 1-2 are currently pending in the application. Claims 1-2 have been amended. Applicant respectfully submits that no new matter has been added. Applicant respectfully requests reconsideration of the application in view of the foregoing amendments and the following remarks.

Claim 2 stands objected to for various informalities. In response, Applicant has amended claim 2 to overcome the informalities noted in the Office Action.

Claims 1-2 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,288,915 to Stemmler et al. (“Stemmler”) in view of U.S. Patent No. 3,512,045 to Sanger et al. (“Sanger”).

Independent claim 1 relates to a multifunction power convertor. Applicant respectfully submits that the cited combination of Stemmler and Sanger fails to disclose at least one of the distinguishing features of independent claim 1, namely, a closed magnetic ring provided on output lines of an inverter circuit between differential mode voltage suppression reactors and a filter capacitor group.

Stemmler discloses a converter circuit arrangement having a DC intermediate circuit including a transformer having at least two windings. The transformer is connected in the intermediate circuit such that undesirable, unbalanced current components that lead to magnetization of the transformer core are reduced.

Sanger discloses a ground fault protection apparatus and electric power distribution apparatus. The apparatus comprises a magnetic core structure surrounding an electric conductor capable of carrying a fault current. A winding is located on the core structure which has an output dependent upon a magnetic flux in the core. A toroid transformer means is connected around the conductor to produce a voltage in the winding of the transformer proportional to the flux produced by the presence of the fault current.

The Office Action asserts that Stemmler fails to disclose a closed magnetic ring provided on the output lines of an inverter circuit. However, the Office Action asserts that

Sanger teaches this feature. Applicant respectfully disagrees. Sanger teaches a toroid transformer and detector T surrounding phase and neutral wires. The output of this transformer T is connected to a rectifier, an integrator, and a time delay circuit organization 5. In Sanger, the toroid transformer is connected to the rectifier, the integrator, and the time delay circuit organization 5 and is not between the differential mode voltage suppression reactors and the filter capacitor group as claimed. Applicant respectfully submits that independent claim 1 distinguishes over the combination of Stemmler and Sanger and respectfully requests that the rejection thereof be withdrawn..

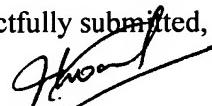
Additionally, Applicant first respectfully submits that there is no motivation to combine Stemmler and Sanger. Stemmler discloses an LC filter having a filter capacitance Cf and a filter inductance Lf. The LC filter is adapted to filter out harmonics from an inverter voltage that is produced, so that only the balanced sinusoidal voltage is applied to the motor. Stemmler provides no indication of utilizing the toroid transformer and detector T as disclosed in Sanger. Therefore, there would be no motivation to combine Stemmler and Sanger. Given the above, Applicant respectfully submits that there is no motivation to combine the teachings of Stemmler and Sanger as suggested by the Office Action. For this additional reason, Applicant respectfully submits that independent claim 1 distinguishes over the cited combination of Stemmler and Sanger. Withdrawal of the rejection of independent claim 1 is respectfully requested.

Dependent claim 2 depends from and further restricts independent claim 1 in a patentable sense. Applicant respectfully submits that, for at least the reasons set forth above with respect to the rejection of independent claim 1, dependent claim 2 distinguishes over the cited combination of Stemmler and Sanger and is in condition for allowance. Withdrawal of the rejection of dependent claim 2 is respectfully requested.

In view of the above amendment, Applicant believes the pending application is in condition for allowance and action to that end is respectfully requested.

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Respectfully submitted,

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